

Aggressive Index (AI) Formula

$$AI = pH + C + D$$

AI > 12 Water is non-aggressive

AI = 10-11.9 Water is moderately aggressive

AI < 10 Water is very aggressive

Total Alkalinity milligrams/Liter as CaCO ₃	Value for C
10	1.00
20	1.30
30	1.48
40	1.60
50	1.70
60	1.78
70	1.84
80	1.90
100	2.00
200	2.30
300	2.48
400	2.60
500	2.70
600	2.78
700	2.84
800	2.90
900	2.95
1000	3.00

Calcium Hardness milligrams/Liter as CaCO ₃	Value for D
10	0.60
20	0.90
30	1.08
40	1.20
50	1.30
60	1.38
70	1.44
80	1.50
100	1.60
200	1.90
300	2.08
400	2.20
500	2.30
600	2.38
700	2.44
800	2.50
900	2.55
1000	2.60

Example

$$AI = pH + C + D$$

$$AI = 7.0 + 2.0 + 1.6$$

$$AI = 10.6 \text{ (moderately aggressive)}$$

Total Alkalinity milligrams/Liter as CaCO ₃	Value for C
10	1.00
20	1.30
30	1.48
40	1.60
50	1.70
60	1.78
70	1.84
80	1.90
100	2.00
200	2.30
300	2.48
400	2.60
500	2.70
600	2.78
700	2.84
800	2.90
900	2.95
1000	3.00

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70	1.44
80	1.50
100	1.60
200	1.90
300	2.08
400	2.20
500	2.30
600	2.38
700	2.44
800	2.50
900	2.55
1000	2.60